

ABSTRACT

A rubber composition having a low specific gravity and a reduced hysteresis loss or loss tangent, and a tire using the rubber composition having low-exothermic property, excellent durability, and rolling resistance are provided.

A rubber composition comprising 100 parts by mass of a rubber component and 0.1 to 10 parts by mass of fullerenes, wherein the fullerenes are produced by a combustion method, and comprise at least one selected from (1) a fullerene having a closed basket structure represented by C_{2n} (n being an integer of 30 or greater); (2) a soot including fullerenes generated in a process of producing fullerenes obtained by the combustion method; and (3) a residue generated by extraction of fullerenes from the soot; and the tire manufactured by using the rubber composition as a rubber member.